

- 1 -
SEQUENCE LISTING
20 JAN 2006

<110> ASTRAZENECA AB

<120> GENETIC MARKER

<130> LDG 101135

<150> SE 0302121-9

<151> 2003-07-22

<160> 23

<170> PatentIn version 3.2

<210> 1

<211> 389

<212> PRT

<213> Homo sapiens

<400> 1

Met Glu Gly Ala Leu Ala Ala Asn Trp Ser Ala Glu Ala Ala Asn Ala
1 5 10 15

Ser Ala Ala Pro Pro Gly Ala Glu Gly Asn Arg Thr Ala Gly Pro Pro
20 25 30

Arg Arg Asn Glu Ala Leu Ala Arg Val Glu Val Ala Val Leu Cys Leu
35 40 45

Ile Leu Leu Leu Ala Leu Ser Gly Asn Ala Cys Val Leu Leu Ala Leu
50 55 60

Arg Thr Thr Arg Gln Lys His Ser Arg Leu Phe Phe Phe Met Lys His
65 70 75 80

Leu Ser Ile Ala Asp Leu Val Val Ala Val Phe Gln Val Leu Pro Gln
85 90 95

Leu Leu Trp Asp Ile Thr Phe Arg Phe Tyr Gly Pro Asp Leu Leu Cys
100 105 110

Arg Leu Val Lys Tyr Leu Gln Val Val Gly Met Phe Ala Ser Thr Tyr
115 120 125

Leu Leu Leu Leu Met Ser Leu Asp Arg Cys Leu Ala Ile Cys Gln Pro
130 135 140

Leu Arg Ser Leu Arg Arg Arg Thr Asp Arg Leu Ala Val Leu Ala Thr
145 150 155 160

Trp Leu Gly Cys Leu Val Ala Ser Ala Pro Gln Val His Ile Phe Ser
165 170 175

Leu Arg Glu Val Ala Asp Gly Val Phe Asp Cys Trp Ala Val Phe Ile
180 185 190

- 2 -

Gln Pro Trp Gly Pro Lys Ala Tyr Ile Thr Trp Ile Thr Leu Ala Val
195 200 205

Tyr Ile Val Pro Val Ile Val Leu Ala Ala Cys Tyr Gly Leu Ile Ser
210 215 220

Phe Lys Ile Trp Gln Asn Leu Arg Leu Lys Thr Ala Ala Ala Ala Ala
225 230 235 240

Ala Glu Ala Pro Glu Gly Ala Ala Ala Gly Asp Gly Gly Arg Val Ala
245 250 255

Leu Ala Arg Val Ser Ser Val Lys Leu Ile Ser Lys Ala Lys Ile Arg
260 265 270

Thr Val Lys Met Thr Phe Ile Ile Val Leu Ala Phe Ile Val Cys Trp
275 280 285

Thr Pro Phe Phe Phe Val Gln Met Trp Ser Val Trp Asp Ala Asn Ala
290 295 300

Pro Lys Glu Ala Ser Ala Phe Ile Ile Val Met Leu Leu Ala Ser Leu
305 310 315 320

Asn Ser Cys Cys Asn Pro Trp Ile Tyr Met Leu Phe Thr Gly His Leu
325 330 335

Phe His Glu Leu Val Gln Arg Phe Leu Cys Cys Ser Ala Ser Tyr Leu
340 345 350

Lys Gly Arg Arg Leu Gly Glu Thr Ser Ala Ser Lys Lys Ser Asn Ser
355 360 365

Ser Ser Phe Val Leu Ser His Arg Ser Ser Ser Gln Arg Ser Cys Ser
370 375 380

Gln Pro Ser Thr Ala
385

<210> 2
<211> 4361
<212> DNA
<213> Homo sapiens

<400> 2
tggttaaggct ctgggaccaa cgctgggcca accagctccg ctccggagggt gtctgcgcgg 60
ctggcctcgc ccgcccccta gcggaccgt gcgatagtgc agcctcagcc ccagcgaca 120
gcgccgcatac cagacgtgt ccgcgcgcgc agcctgggag gcgtcctcgc ctgcctcct 180
gtacccatcc agcgaccagc caggctgcgg cgaggggatt ccaaccgagg ctccagtgg 240

- 3 -

agacctcagc ttagcatcac attaggtgca gccggcaggc catcccaact cgggccggga	300
gcgcacgcgt cactggggcc gtcagtcgcc gtgcaacttc cccgggggga gtcaacttta	360
ggttcgcctg cggactcggg gtagtggaag ccgctgaaca tcccaggaa ctggcacgct	420
gggggctctg ggcttggtgc cggtagagga ttcccgcctca ttgtagtggt ctccaggag	480
ggtggaccca gcagatccgt ccgtggagtc tccaggagtg gagccccggg cgcctctaca	540
ccctccgaca cgcgggaccc ggcccagccg cgccaagccg taaagggctc gaaggccggg	600
gcgcacgcgt gccgccaggg tcatggaggg cgcgtctgca gcccaactga gcgccgaggc	660
agccaacgcc agcgcgcgcg cgcggggggc cgagggcaac cgcaccgcgc gacccccgcg	720
gcgcaacgag gccctggcgc gcgtggaggt ggcggtgctg tgtctcatcc tgctcctggc	780
gctgagcggg aacgcgtgtg tgctgctggc gctgcgcacc acagccaga agcactcgcg	840
cctcttcttc tcatgaagc acctaaagcat cgcgcacctg gtggtggcag tggttcaggt	900
gctgcgcgag ttgctgtggg acatcacctt ccgcttctac gggcccgacc tgctgtgccg	960
cctggtcaag tacttgaggg tggggggcat gttcgctcc acctacctgc tgctgctcat	1020
gtccctggac cgtgcctgg ccacttgcca gccgctgcgc tcgctgcgc gccgcaccga	1080
ccgcctggca gtgctgcga cgtggctcgg ctgcctgggt gccagcgcgc cgcaggtgca	1140
catcttctct ctgcgcagg tggctgacgg cgtcttcgac tgctgggccc tcttcatcca	1200
gccttgggga cccaaggcct acatcacatg gatcacgcta gctgtctaca tcgtgccggt	1260
catcgtgttc gctgcctgct acggccttat cagcttcaag atctggcaga acttgccgct	1320
caagaccgct gcagcggcgg cggccgaggc gccagaggcc gggcgggctg gcgatggggg	1380
gcgcgtggcc ctggcgcggt tcagcagcgt caagctcatc tccaaggcca agatccgcac	1440
ggtcaagatg actttcatca tcgtgctggc cttcatcgtg tgctggacgc ctttcttctt	1500
cgtgcagatg tggagcgtct gggatgcaa cgcgcccaag gaagcctcgg cttcatcat	1560
cgtcatgttc ctggccagcc tcaacagctg ctgcaacccc tggatctaca tgctgttcac	1620
gggccacctc ttccacgaac tcgtgcagcg cttcctgtgc tgctccgcca gctacctgaa	1680
gggcagacgc ctgggagaga cgagtgccag caaaaagagc aactcgtcct cttttgtcct	1740
gagccatgcg agctccagcc agaggagctg ctcccagcca tccacggcgt gaccaccag	1800
ccagggccag ggctgcagcc tgaggctcag gctgtgctgg cataagtgt ctgctcctag	1860
gtgatggcgt atgttttgtg ataaggtacc tatcagtttg tatccctccc ctcttgggg	1920
tggcttcagt ggggtggaga gtggcctcca tgatggaaga tgatagggga ctgagccatc	1980
agacaacacc ctggcctcct acacgtactt ctaccacctt gaaccactg ctgccctggg	2040
cagtgagtgg cttgtttttt ctctggact tgtaatttca ctccagtata tttttacttc	2100
ttcattctgg gatattgtga aaagcggtaa atataggatt ggtgaccaat tgggtcagga	2160
agtccagtgt tctggacttg gggtaagcag tggggttggg acctcagatg ggaagggtgg	2220
tgctaagatc ctctgacct caaagtgtat ttgcctttaa gcgaacaaat gctgggggtcc	2280

- 4 -

ttggggacca gcttgtcaga gggtagccct aagagaaggg gattaccttg taagaccatc	2340
tgggcgagtg gacctattag aacttgggtt aaaaatgttt aagaagctaa tgtttaagaa	2400
gcatttggga aagaaaaaga aataaatgta tccagatagg aaaagaagaa gtaaaactat	2460
ttgcagatga cacagttttg tatatagaaa atcctaagga actcacacac acacacacac	2520
acacacacgc acacagctat tagaactaat aagcaagttc cgcaaggttt caagatacaa	2580
gatcaatata caaaaatgaa ttgtatttct ttatactagc aacaaacaat atgaaaacga	2640
agttaaataa ttccatttat aataccatca gaaagaataa aataggaatc aacttaacaa	2700
aacaagtgca agactgaaaa ctacaaaatt ggaaagaaat taaagaaggc ttaaataaat	2760
ggaaagacat cctgtgttca tggatcagac ttagtattgt taagatggca atactatcct	2820
aactgacatg cagattcagt gcaatcctta tgaaaatcat agctggcttc tttacagaaa	2880
ttgataagct agtcccaaaa ttcataaaga aatgcaaggg acccagaata tccaaataag	2940
ccttgaaaaa gaacaaagtt ggtggattca cacttcctga tttcataatt tacgataaag	3000
gtaatcagct cagtgtgtta ctggtttaag gatagacata cggagcagaa taaagagtac	3060
agatatgaac acttatactt acggtcaatt gatttttgac aaggttccca agacaattca	3120
atagagaaag gagagtcttt tcaacaaatg gcaccgagac aatgatatgc aagtgcaaaa	3180
gaatgagggt ggacctttac tcacactatg tgcaaaaatc aactcaaac gcatccaaga	3240
tctaaatata agagctgaaa ctataaaatc ttagaagaa acataggcat agatctttgt	3300
aaccttgaat taggcagtggt tttcttagat atgataccaa agacacaagc aaccaatgga	3360
aaaataggta aattggactt aatcaagatt tgaagctttt gtgattgaaa agaccctatc	3420
aagaagggtga aaagataacc tgcagaatgg gagaaaatat ttgcgagtca tatatatgat	3480
aaggggcttg tatctggaat atataaataa ctcttataac acaacaataa ggagaaaaat	3540
aatcaattt aaaaaatggg ctaacggttt gaatagacat ttctccaaag aagatatgca	3600
aatggctact aagcacatga aaaaatactc aacattatta ttcattaggg aatgcaagt	3660
caaaatcaca atgagattcc agtttacaat cactaggatg gctacaataa aaagatggac	3720
aagaacgagt gtcggtgagg atgtagagaa actggtagaa atttaaattg ttggtgggaa	3780
tgtaaatggt gcacctgctt tgaaaaacag tttggcagta cctcaaaaag ttaaactgag	3840
agtgaccata tgaccagga atgccactcc taggtattta cccaagagaa atgaaaacgt	3900
acatacacac aaaaacttgt acaccaatgt tcatagcaac attatttgta atagccaaaa	3960
agtggaaaca acccaaatgt ctaccaactg atgaatggga aataaaatgt ggtctgtcca	4020
cgcaatggaa cattattaga ctctaaaaag aatgaagta ctcacacatg ccacaacatg	4080
gatgagcctt gaaaacttgc taagtgaag aagccaggtg caaaagccca catattgtct	4140
gactgcattg aaatgcaatg tctaaaatgg acgaatctat atagagtga tatagattag	4200
cgtttgccag ggcctggagg ctgtgagaga tgaggcatga ctactaaggg tttggggttt	4260
ctttttcggg tgatgaaat gttctgaaat tagtggatgat tgtgcacgat tttgagaatg	4320

- 5 -

tactaaaaac caatgaactt taaaaaataa aaataaaca a 4361

<210> 3
<211> 61
<212> DNA
<213> Homo sapiens

<400> 3
gagtggcacc cccttcgggt gcctaccta mccaacaagat gtctgcatcg tgggtgtttct 60
c 61

<210> 4
<211> 61
<212> DNA
<213> Homo sapiens

<400> 4
ttgagatcaa gaacgggtga cagttacttt rttcatttct tctttcctat ctatagatt 60
t 61

<210> 5
<211> 61
<212> DNA
<213> Homo sapiens

<400> 5
caccttcagc cttgtcctca gcagtcctcc wacctggaag gcacattccc cacctacaga 60
a 61

<210> 6
<211> 61
<212> DNA
<213> Homo sapiens

<400> 6
tttaagtcca tgtaagatg aacttcact wtaagttcaa gaaatccagc tgaagccaag 60
a 61

<210> 7
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<400> 7
cggccttatc agcttcaaga tctggcagaa yttgcggctc aagaccgctg cancggcggc 60
g 61

<210> 8
<211> 61
<212> DNA
<213> Homo sapiens

- 6 -

<400> 8
gtctacatcg tgccgggtcat cgtgctcgtc rctgctacg gccttatcag cttcaagatc 60
t 61

<210> 9
<211> 61
<212> DNA
<213> Homo sapiens

<400> 9
acctggggaa accaagtctc agagaagttc wgtaccttag ccacgctgac aaaacgtggt 60
a 61

<210> 10
<211> 30
<212> DNA
<213> Homo sapiens

<400> 10
gagtggcacc cccttccggt gcctacctaa 30

<210> 11
<211> 30
<212> DNA
<213> Homo sapiens

<400> 11
ttgagatcaa gaacggtgga cagttacttt 30

<210> 12
<211> 30
<212> DNA
<213> Homo sapiens

<400> 12
caccttcagc cttgtcctca gcagtcctcc 30

<210> 13
<211> 30
<212> DNA
<213> Homo sapiens

<400> 13
tttaagttca tgtaagatg aacttcact 30

<210> 14
<211> 30
<212> DNA
<213> Homo sapiens

<400> 14
cggccttatc agcttcaaga tctggcagaa 30

<210> 15
<211> 30
<212> DNA
<213> Homo sapiens

- 7 -

<400> 15
gtctacatcg tgccggtcat cgtgctcgct

30

<210> 16
<211> 30
<212> DNA
<213> Homo sapiens

<400> 16
acctggggaa accaagtctc agagaagttc

30

<210> 17
<211> 30
<212> DNA
<213> Homo sapiens

<400> 17
ccacaagatg tctgcatcgt ggtgtttctc

30

<210> 18
<211> 30
<212> DNA
<213> Homo sapiens

<400> 18
ttcatttctt ctttcctatc tatacgattt

30

<210> 19
<211> 30
<212> DNA
<213> Homo sapiens

<400> 19
acctggaagg cacattcccc acctacagaa

30

<210> 20
<211> 30
<212> DNA
<213> Homo sapiens

<400> 20
taagttcaag aaatccagct gaagccaaga

30

<210> 21
<211> 30
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

<400> 21
ttgcggctca agaccgctgc ancgcgcgcg

30

<210> 22
<211> 30
<212> DNA
<213> Homo sapiens

- 8 -

<400> 22
cctgctacgg ccttatcagc ttcaagatct

30

<210> 23
<211> 30
<212> DNA
<213> Homo sapiens

<400> 23
gtaccttagc cacgctgaca aaacgtggta

30